

INTERFERENCE SEARCH

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 0 | (output and circuit and passing and electric and current and prevention and unit and flow and power and supply and terminal and sampling and period).clm. | US-PGPUB | OR | OFF | 2005/09/19 08:07 |

SEARCH HISTORY

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------------|------------------|---------|------------------|
| L1 | 184 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| L2 | 18 | (liquid near crystal near display) and (first near latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| L3 | 47 | (liquid near crystal near display) and (first near latch near (circuit or circuits)) and (inverter or inverters) and (memory) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| L4 | 3 | (liquid near crystal near display) and (first near latch near (circuit or circuits)) and ((inverter or inverters) same (memory near circuit)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:17 |
| L5 | 0 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) and ((output near circuit) same (no near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:17 |
| L6 | 0 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) and ((output near circuit) same (prevents near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:17 |
| L7 | 0 | (liquid near crystal near display) and (electric near current near prevention) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:18 |
| L8 | 9 | (liquid near crystal near display) and (electric near current near prevent\$3) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:32 |
| L9 | 1243 | 345/98.ccls. | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:32 |
| L10 | 953 | 345/98.ccls. | USPAT | OR | OFF | 2005/09/19 08:04 |
| L11 | 0 | (output and circuit and passing and electric and current and prevention and unit and flow and power and supply and terminal and sampling and period).clm. | US-PGPUB | OR | OFF | 2005/09/19 08:06 |
| S1 | 110 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |

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|-----|----|---|--------------------------------|----|-----|------------------|
| S2 | 8 | (liquid near crystal near display) and (first near latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| S3 | 8 | (liquid near crystal near display) and (first near latch near (circuit or circuits)) and ((DAC) or (digital near analog near converter)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| S4 | 29 | (liquid near crystal near display) and (first near latch near (circuit or circuits)) and (inverter or inverters) and (memory) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:16 |
| S5 | 1 | (liquid near crystal near display) and (first near latch near (circuit or circuits)) and ((inverter or inverters) same (memory near circuit)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:17 |
| S6 | 1 | (liquid near crystal near display) and (data near latch near (circuit or circuits)) and ((inverter or inverters) same (memory near circuit)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/03/21 13:32 |
| S7 | 1 | (liquid near crystal near display) and ((latch near (circuit or circuits)) same ((inverter or inverters) same (memory near circuit))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/03/21 13:39 |
| S8 | 38 | (liquid near crystal near display) and (((inverter or inverters) same (memory near circuit))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/03/21 13:36 |
| S9 | 81 | ((latch near (circuit or circuits)) same ((inverter or inverters) same (memory near circuit))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 14:52 |
| S10 | 7 | ((data near latch near (circuit or circuits)) same ((inverter or inverters) same (memory near circuit))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/03/21 13:49 |
| S11 | 28 | "5311471".URPN. | USPAT | OR | OFF | 2003/03/21 13:49 |
| S12 | 7 | ((data near latch near (circuit or circuits or circuitry)) same ((inverter or inverters) same (memory near circuit))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/03/21 13:51 |
| S13 | 12 | ((latch near (circuit or circuits)) same ((inverter or inverters) same (memory near circuit))) and (electric near current) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:17 |
| S14 | 0 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) and ((output near circuit) same (no near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:17 |

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|-----|-------|--|--------------------------------|----|-----|------------------|
| S15 | 0 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((DAC) or (digital near analog near converter)) and ((output near circuit) same (passing near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:03 |
| S16 | 0 | (liquid near crystal near display) and (latch near (circuit or circuit)) and ((output near circuit) same (passing near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:03 |
| S17 | 1 | (liquid near crystal near display) and ((output near circuit) same (passing near current)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:04 |
| S18 | 0 | (liquid near crystal near display) and (passing near electric near current near prevention) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:05 |
| S19 | 0 | (liquid near crystal near display) and (electric near current near prevention) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/09/19 07:18 |
| S20 | 20 | (liquid near crystal near display) and (current near prevention) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:05 |
| S21 | 0 | (liquid near crystal near display) and (current near prevention) and (latch near circuit) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:05 |
| S22 | 5 | ("4656609" "5313424" "5383162" "5602777" "5606523").PN. | USPAT | OR | OFF | 2003/11/10 15:16 |
| S23 | 750 | (latch near (circuit or circuits)) and (electric near current) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:17 |
| S24 | 20 | (latch near (circuit or circuits)) and (no near electric near current) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/10 15:21 |
| S25 | 2 | (latch near (circuit or circuits)) same (no near electric near current) | USPAT; EPO; JPO | OR | OFF | 2003/11/10 15:30 |
| S26 | 0 | 11-366938 | JPO | OR | OFF | 2003/11/10 15:30 |
| S27 | 0 | 11-366938.pn. | JPO | OR | OFF | 2003/11/10 15:30 |
| S28 | 21727 | hirano.in. | JPO | OR | OFF | 2003/11/10 15:30 |
| S29 | 0 | hirano.in. and (circuit near storing near latching) | JPO | OR | OFF | 2003/11/10 15:31 |
| S30 | 64 | hirano-yasuaki.in. | JPO | OR | OFF | 2003/11/10 15:33 |
| S31 | 0 | hirano-yasuaki.in. and "sharp.asn" | JPO | OR | OFF | 2003/11/10 15:33 |
| S32 | 27 | hirano-yasuaki.in. and sharp.asn. | JPO | OR | OFF | 2003/11/10 15:33 |
| S33 | 1 | "6144355".pn. | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/15 13:41 |

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|-----|--------|---|--------------------------------|----|-----|------------------|
| S34 | 4 | (liquid near crystal near display) and (signal near line near selection near circuit) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2003/11/15 13:41 |
| S35 | 121608 | signal near line selection near circuits | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/09/28 14:15 |
| S36 | 4 | signal near line near selection near circuits | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/09/28 14:15 |
| S37 | 3965 | ((led) or (light near emitting near diode)) and (switch same sens\$3 same emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:47 |
| S38 | 962 | ((led) or (light near emitting near diode)) and (switch with sens\$3 with emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:50 |
| S39 | 181 | ((led) or (light near emitting near diode)) and (switch near5 sens\$3 near5 emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:48 |
| S40 | 53 | ((led) or (light near emitting near diode)) and (switch near3 sens\$3 near3 emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:48 |
| S41 | 49 | ((led) or (light near emitting near diode)) and (switch near3 sens\$3 near3 emit\$4) | USPAT | OR | OFF | 2004/12/08 16:48 |
| S42 | 0 | ((led) or (light near emitting near diode)) and (switch with (sens\$3 near mode) with (emit\$4 near mode)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:51 |
| S43 | 0 | ((led) or (light near emitting near diode)) and (switch same (sens\$3 near mode) same (emit\$4 near mode)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:51 |
| S44 | 23 | ((led) or (light near emitting near diode)) and (switch same (sens\$3 near mode) same emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:57 |
| S45 | 14 | ((led) or (light near emitting near diode)) and (switch same ((detect or detecting) near mode) same emit\$4) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 16:57 |
| S46 | 2 | (liquid near crystal near display) and ((signal near line near selection near (circuit or circuits)) same (d/a near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 18:56 |
| S47 | 13 | ("20020145602" "5523772" "5585816" "5648793" "5790092" "5892493" "6184855" "6297816" "6310616" "6323851" "6380917" "6462735" "6549196").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/08 18:54 |
| S48 | 2 | (liquid near crystal near display) and ((signal near line near selection near (circuit or circuits)) same ((d/a or dac) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:54 |

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|-----|-------|---|--------------------------------|----|-----|------------------|
| S49 | 2 | (liquid near crystal near display) and ((signal near line near selection near (circuit or circuits)) same ((d/a or dac or (digital near analog)) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:12 |
| S50 | 8 | ("5017914" "5170158" "5643826" "5923962" "6147667" "6268841" "6275210" "6392354").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/08 19:12 |
| S51 | 4 | (liquid near crystal near display) and ((signal near line near selection near (circuit or circuits)) and ((d/a or dac) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:48 |
| S52 | 2 | ((signal near line near selection near (circuit or circuits)) same ((d/a or dac) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:48 |
| S53 | 43867 | (liquid near crystal near display) and (source near signal near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:49 |
| S54 | 1 | (liquid near crystal near display) and (source near signal near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:49 |
| S55 | 10 | (liquid near crystal near display) and (signal near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:49 |
| S56 | 0 | (liquid near crystal near display) and ((data near line near selection near (circuit or circuits)) same ((d/a or dac) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:54 |
| S57 | 1 | (liquid near crystal near display) and ((source near line near selection near (circuit or circuits)) same ((d/a or dac) near (converter or converters))) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:54 |
| S58 | 1 | (liquid near crystal near display) and (data near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:55 |
| S59 | 1 | (liquid near crystal near display) and (source near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:59 |
| S60 | 2 | (source near line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:59 |
| S61 | 27 | (liquid near crystal near display) and (line near selection near (circuit or circuits)) | USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2004/12/08 19:59 |